

1. Declaration

I, Kevin Cody, declare that this assignment, titled [Assignment Title], is my own original work and has not been copied from any other source except where explicitly acknowledged. I have not engaged in plagiarism, collusion, or any other form of academic misconduct in the preparation and submission of this assignment. All sources of information and data used in this assignment have been properly cited and referenced in accordance with the prescribed guidelines. I have not used unauthorized assistance in the preparation of this assignment and have not allowed any other student to copy my work. I am aware that any breach of academic integrity may result in disciplinary action as per the [policies of Monash University](#), which may include failing this assignment or the course, and further academic penalties.

Signature: __Kevin Cody_____

Date: ____31491898_____

2. Github Check

Enter your Github details here.

Github Username <i>Enter your username here</i>	DrKevinC
A3 Shared? <i>Have you started and shared your assignment repository with your tutor yet?</i>	https://github.com/DrKevinC/FIT5032_Ass1 NOTE: If you are extending your previous A2 submission, you can just copy-paste the same link here. This is the preferred option as you do not have to create a new project and a new repo from scratch. Otherwise, if you are creating a new project and new repo - you need to have shared it with your tutor and paste the link here.

3. Self-Evaluation

Rate your performance for each criteria. Put a ☒ (tick) in the box where you think your work belongs.

Criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	Fail to meet expectations
BR (D.1): External Authentication		<input checked="" type="checkbox"/>		
BR (D.2): Email		<input checked="" type="checkbox"/>		
BR (C.3): Interactive Table Data		<input checked="" type="checkbox"/>		
BR (D.4):			<input checked="" type="checkbox"/>	

Deployment to the Cloud				
BR (E.1): Cloud Functions		✓		
BR (E.2): Geo Location		✓		
BR (E.3): Accessibility		✓		
BR (E.4): Export		✓		
BR (F.1): Innovation				

4. Screen Recording of BRs

Create a 3-5 minute video showing your basic web application in action! Upload this video to your Google Drive and put the link here (ensuring that you have updated the access list so its not private).

Ass3-FIT5032.mp4

5. BR F.1 - Innovative Features

If you have implemented BR F.1, list your choices below and a brief description of how you implemented it.

0	Exact name of innovative feature (copy-paste from assignment specs). E.g. "Bulk Email: The new Web Application must be able to send bulk email to selected users."	A brief, specific description (10-20 words) about how you implemented this in your web application. E.g. "I implemented bulk email to enable staff in my health charity website to send emails to multiple patients."	Recommendations for future upgrades (10-50 words)
1	<ul style="list-style-type: none"> Incorporate GenAI such as Gemini API or OpenAI API (note: Gemini API can be used for testing free of cost, so it is recommended to use that) 	Can talk to gemini chatbot on the home page. Simple UI. It stays somewhat on topic but lies profusely.	Make the chatbot smarter with respect to the topic, and make it more accessible within the webpage
2	<ul style="list-style-type: none"> Bulk Email: The new Web Application must be able to 	Event Managers can see the list of users who have subscribed to an event	Improve the UI somewhat, extend email feature to include

	send bulk email to selected users.	and choose to send a message to them	attachments
3	<ul style="list-style-type: none">App with at least two offline features like: Checking if user is online/offline, extended use of Local Storage etc.	If unable to load events from the database it loads the most recent backup copy from localstorage Also tells the user if they are in offline mode	Improve UI, possibly extend offline features?
4	<ul style="list-style-type: none">Admin Dashboard - Create a dashboard view for the system admin of this health charity (you may want to create a separate role for 'admin'), where they can see an overview of the website including number of users and types of users.	created an admin dashboard for the account admin@admin.com password: Password@123 allowing them to see all users, emails, and EventManager status	Improve UI and authentication method for admin.

6. Reflections: Challenges

What has been the most challenging part of this assignment for you? How has this stretched you as a programmer?

Trying to deploy the backend was a real pain and not worth the time it would take to remodel the architecture so I gave up on that. Otherwise the timeframe was the hardest thing to manage and there were many things I had to learn in a short amount of time.

7. Declaration: Additional Help

Any tools that you used (including Gen AI or existing code reuse) must be declared here.

Note: GenAI is not allowed for coding purposes in any assignment,

However, you may use GenAI for brainstorming and problem solving. You need to declare all such uses here. One row per help used.

Name	Description
<i>Example: ChatGPT for brainstorming</i>	<i>I used ChatGPT to brainstorm how to do X because I was feeling stuck with Y problem.</i>

<i>ideas</i>	
ChatGPT for explaining forum threads and documentation	Some of the forum threads and documentation I was looking at for solutions were a bit technical and assumed knowledge I didn't have so I used ChatGPT to explain what they were saying in simpler terms or to point me in the right direction.